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*Comirex Meeting*

COMMITTEE ON IMAGERY REQUIREMENTS AND EXPLOITATION  
NRO & DIA REVIEWS COMPLETED

COMIREX-M-53  
24 October 1968

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Section VI (Other Business)

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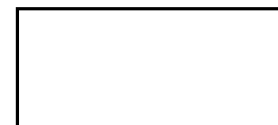
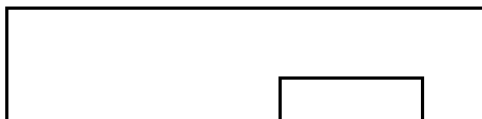
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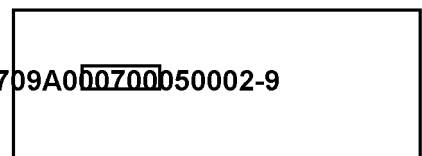


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COMMITTEE ON IMAGERY REQUIREMENTS AND EXPLOITATION

Minutes of Meeting Held in Auditorium

\_\_\_\_\_

1000-1200, Thursday, 24 October 1968

PRESIDING

\_\_\_\_\_

Alternate Chairman	Acting Chairman
(45 Minutes)	

MEMBERS PRESENT

--

Mr. J. C. St. Cyr, OACSI

Capt. S. E. Sloan, ONI  
Lt. Col. C. E. Davison, AFNIN

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CONSULTANTS PRESENT

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Acting Executive Secretary (45 Minutes)  
Ch/Committee on Imagery Requirements  
Exploitation  
Ch/Imagery Collection Requirements  
Subcommittee  
Ch/Imagery Exploitation Subcommittee  
/Exploitation Research and Development  
Subcommittee  
National Imagery Data Base Working Group  
Mapping, Charting, and Geodesy Working  
Group

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\*Those present for Special Briefing only.

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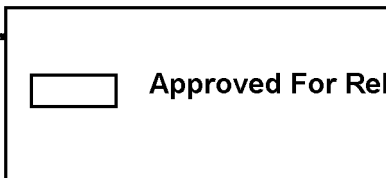
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Special Briefing

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U-2R

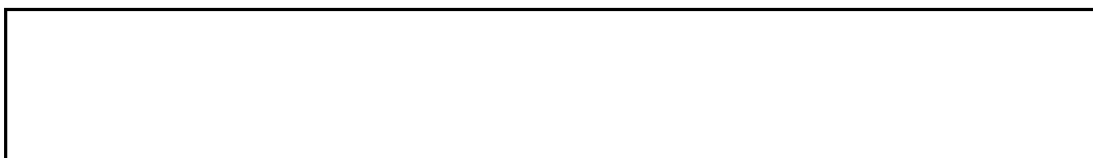


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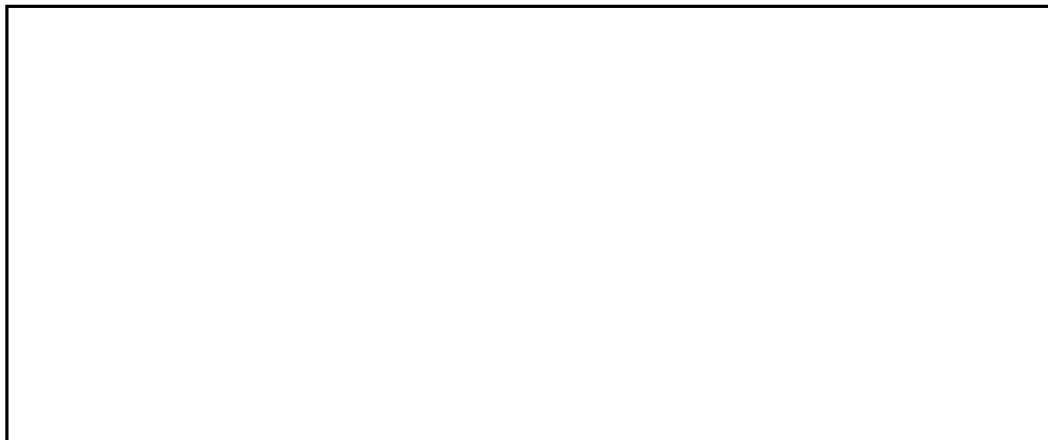
1. [redacted] began his briefing with some background information and followed with data on performance characteristics and expectations. Approval for the development of twelve U-2Rs came in September 1966. Subsequent to that, it was agreed that six of these would go to CIA and six to the Air Force. The first U-2R was completed by Lockheed on 28 August 1967 and since then an additional eight have been produced with the remaining three completed by the end of November. All twelve will be operational by June or July 1969.

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Thirteen cameras are to be purchased with six going to the Air Force, six to CIA, and one to be kept in the depot for use as a replacement if needed. Significant improvements in the U-2R over its predecessors include:

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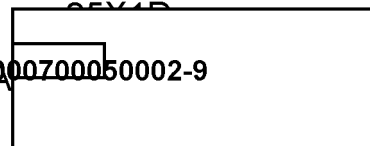
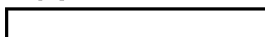
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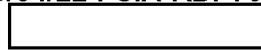


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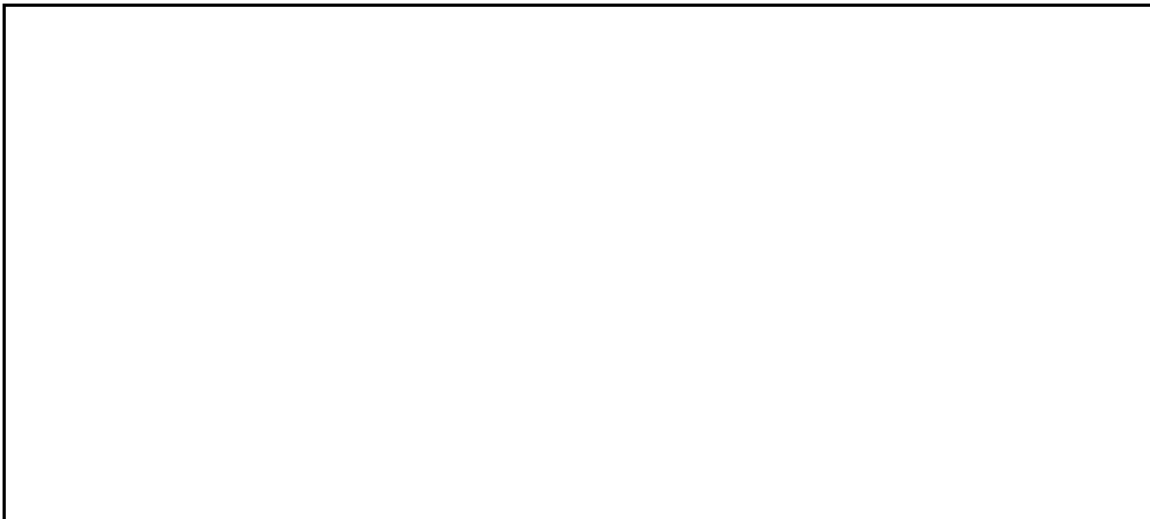
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d. Reduced vulnerability (12 to 15%).  
(Should be able to pick up and avoid SAM sites but will not intentionally overfly SAM-protected areas.)

e. Additional payload capability. (An additional 78 cubic feet of space available in the nose for payload equipment.)


f. Quick reaction.

g. Improved growth potential.

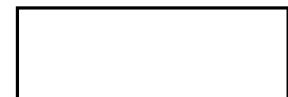


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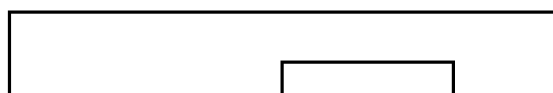
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/After the Special Briefing  announced that he would have to leave the meeting but, prior to doing so, would comment briefly on the status of the two papers scheduled for this week's agenda. /

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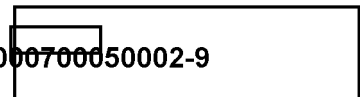


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Section V (Status of Recent COMIREX Papers)

World-wide Positioning Requirements



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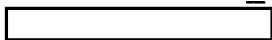
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1. [redacted] mentioned that DoD members of MC&G and of COMIREX as well as CIA have provided comments on the world-wide positioning requirement to the Chairman, COMIREX. All are now in agreement with a proposed memorandum to USIB except for the recommendations. Copies of the draft were distributed at the meeting as a Working Paper and members were asked to get their concurrence or changes to the Office of the Chairman, COMIREX, by close of business, Tuesday, 29 October.

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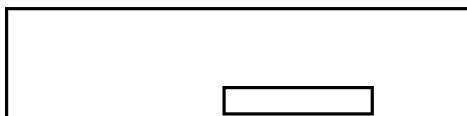
/ Upon conclusion of the discussion on the two papers mentioned above, chairmanship of the meeting was assumed by



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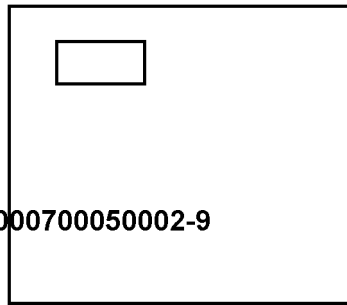


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CORONA

1105 - Scheduled 30 October 1968

Estimated 1 st bucket recovery (9 days) - 8 Nov, 2230Z

Estimated 2nd bucket recovery (9 days) - 17 Nov, 2230Z

Film processing/distribution:

Estimated arrival 1 st bucket at Eastman Kodak - 9 Nov, 1800Z

Estimated arrival 1 st bucket Priority 1 in D.C. area -  
12 Nov, 1600Z

Estimated arrival 1 st bucket Priority 2 in D.C. area -  
13 Nov, 1600Z

Estimated arrival 2nd bucket at Eastman Kodak - 18 Nov, 1800Z  
(Processing to begin 21 November at Eastman Kodak)

Estimated arrival 2nd bucket Priority 1 in D.C. area -  
24 Nov, 1600Z

Estimated arrival 2nd bucket Priority 2 in D.C. area -  
25 Nov, 1600Z

Projected stereo coverage:

1 st bucket - Land area - 2.75 million sq. n.m.  
Targets - Approximately 2,400

2nd bucket - Land area - 2.75 million sq. n.m.  
Targets - Approximately 2,400

1106 - Scheduled 11 December 1968

Estimated 1 st bucket recovery - 18 December 1968, 2230Z

Estimated 2nd bucket recovery - 26 December 1968, 2230Z

Film processing/distribution:

Estimated arrival 1 st bucket at Eastman Kodak - 19 Dec, 1800Z

Estimated arrival 1 st bucket Priority 1 in D.C. area -  
22 Dec, 1600Z

Estimated arrival 1 st bucket Priority 2 in D.C. area -  
23 Dec, 1600Z

Estimated arrival 2nd bucket at Eastman Kodak - 27 Dec, 1800Z

Estimated arrival 2nd bucket Priority 1 in D.C. area -  
30 Dec, 1600Z

Estimated arrival 2nd bucket Priority 2 in D.C. area -  
31 Dec, 1600Z

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Projected stereo coverage:

1st bucket - Land area - 2.75 million sq. n.m.  
Targets - Approximately 2,400  
2nd bucket - Land area - 2.75 million sq. n.m.  
Targets - Approximately 2,400

1049 - Scheduled 29 January 1969

Estimated 1st bucket recovery - 6 February 1969

Estimated 2nd bucket recovery - 14 February 1969

1107 - Scheduled 12 March 1969

Estimated 1st bucket recovery - 21 March 1969

Estimated 2nd bucket recovery - 30 March 1969

1050 - Scheduled 14 May 1969

Estimated 1st bucket recovery - 22 May 1969

Estimated 2nd bucket recovery - 30 May 1969

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2. [redacted] indicated that the next CORONA will be the first to use a full load of ultra-thin base film with 3403 emulsion. The footage will go from 32,000 to 48,000 feet with an increase in coverage from 5 to 7.9 million square miles. There will be 500 feet of SO 521 high-speed Ektachrome on the feed cam at the tag end. ICRS is sorting out how this will be used. There will not be a DISIC on this mission.

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3. [redacted]  
[redacted]  
[redacted] In answer to a question from [redacted] indicated that there will not be any color film on 1106. Though 1105 will be the first 18-day mission, 1106 will drop to 15 days because of the increased payload.

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Report on Aircraft Activities -- Far East

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4. reported that:

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b. IDEALIST/TACKLE Mission C168C was flown on 20 October 1968. This mission covered an area along the China coast from Swatow to the Shanghai area.

c. IDEALIST/TACKLE Mission C178C was flown on 21 October 1968. This mission covered an area along the east coast of Hainan Island to the Swatow area. Missions C168C and C178C did not penetrate the China mainland.

d. The present 303 Committee restriction of approaching no closer than 20 miles to the China mainland remains in effect.

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5. reported on activities for the period 18-24 October as follows:

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<u>Date</u>	<u>Mission</u>	<u>Areas/Targets</u>	<u>Remarks</u>
19 Oct	Q842 (low)	Haiphong Cat Bi Afld, SAMs 311 and 71, Haiphong Naval Base	Successful, MARS
19 Oct	Q246 (high)	Seg Hanoi-Haiphong RR & Hwy, Bac Giang, Phuc Yen, Vinh Yen, Viet Tri RR Yd, Suspect Mil Area, Phu Ly RR Yd	Lost

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[Redacted]

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[Redacted] Activities cont.

<u>Date</u>	<u>Mission</u>	<u>Areas/Targets</u>	<u>Remarks</u>
20 Oct	Q842 (low)	Seg Hanoi-Haiphong RR & Hwy, Bac Giang, Phuc Yen, Vinh Yen, Viet Tri RR Yd, Suspect Mil Area, Phu Ly RR Yd	Lost
20 Oct	Q244 (high)	Haiphong, Nam Dinh, Ninh Binh, Rte 1A and 101, Thanh Hoa, Vinh, DMZ	Lost, destroyed in water
21 Oct	Q727 (low)	SAM Sites 55, 71, 66	Successful, MARS
23 Oct	Q846 (low)	SAM 001, 263, RR 4 Rte 1A, Phu Ly RR Yd	Successful, MARS
23 Oct	Q241 (high)	Seg Rte 15, NW RR, Yen Bai, Bao Ha Complex, Na San Afld, Gai Thuong, Thanh Hoa	Lost
24 Oct	Q847 (low)	Gia Lam, Bac Mai, Nam Dinh TPP, Nam Dinh Transp Pt	Successful, MARS

Recap

Successful 4  
Lost 4

He also reported that on 20 October GIANT SCALE Mission G069 had acquired coverage of Kien An, Cat Bi, and Haiphong/Lao Chi areas as well as rail and roads in the northern portion of Vietnam. Results of this mission have been evaluated as fair. Of particular significance was the fact that an SA-2 was fired at the aircraft.

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[Redacted] also reported that no [Redacted] missions were scheduled during the period 18-24 October.

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[Redacted]  
[Redacted]

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6. [ ] reported on the degree of coverage obtained of two priority South China/North Vietnam requirements as follows:

a. Coverage of Lines of Communications (LOC) pertinent to the introduction of Chinese forces into North Vietnam (see COMOR-D-25/207, 4 March 1966). The number of LOC priority targets in South China and North Vietnam remains at 142. For the period 17-23 October, surveillance coverage was reported on four priority targets in North Vietnam. The specific targets are underlined in Tab A.

b. Coverage of North Vietnam to detect the possible introduction or deployment of offensive missile systems (see COMOR-D-25/200, 23 May 1967 and COMIREX-D-25.3/2, 20 November 1967) is shown on the grid map at Tab B for the period 10-16 October. No SSM activity was observed.

Report on Aircraft Activities -- Cuba

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7. [ ] reported that [ ] Mission G047 had been flown on 23 October but that results for this mission are as yet unknown.

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8. [ ] reported that for the 56-day period beginning 29 August 1968, seven [ ] missions were flown over Cuba and provided 88 percent coverage of the area. During this period 123 of the 162 targets in Cuba were covered completely on cloud-free photography not including the most recent mission flown 23 October 1968.

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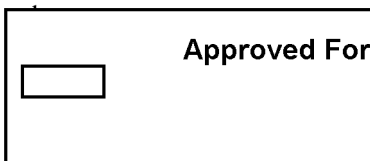
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Section III (Subcommittee and Working Group Reports)

Report from Imagery Collection Requirements Subcommittee

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1.

[redacted] had briefed ICRS on the U-2R last Tuesday and that [redacted] of OSP had briefed on the new CORONA orbit select program and use of WAG areas for programming and maintaining an area history file.

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2. He then reported on the status of collection against the Far East requirement. See Tab C for details.

Report from Imagery Exploitation Subcommittee

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3.

[redacted] requested that first-phase readout requirements for 1105 be made available to the EXSUBCOM staff by 25 October to allow the Subcommittee to provide first-phase exploitation requirements to NPIC.

4.

He also reported that EXSUBCOM had considered first-phase readout requirements on the upcoming 1 November Moscow parade photography. It was agreed that there were no special first-phase requirements at this time--instead it is recommended that the photography be handled as in the past.

5.

A task team is working on a study of the number of dupes required by the community for each satellite or aircraft mission. New distribution requirements for satellite imagery have been developed for presentation to NRO.

6.

In response to a COMIREX request that EXSUBCOM study the possibility of reducing duplication of cloud cover and other unusable imagery, the Subcommittee has received a briefing from the NPIC team that is present at Eastman Kodak after each

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mission. In addition, EXSUBCOM is going to visit Eastman Kodak on 29 October and Westover on 30 October for the purpose of getting first-hand information on the various processing steps including transportation of film.

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Report from Exploitation Research and Development Subcommittee

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7. [ ] reported that EXR [ ] its 16th meeting this week and that most of the time was spent on the silver recovery problem, and an explanation by [ ] on how the responsibilities formerly carried out by ISCIG will be handled internally by DoD. ISCIG is an old tactical committee dealing up through the Secret level on collection, processing, and distribution matters. EXRAND, and its predecessor COPE, had an interface with this group which was helpful. [ ] reassured EXRAND that this contact will not be lost.

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8. [ ] reported that EXRAND is planning to make two trips soon. The first trip, 30-31 October, will be to [ ] and Eastman Kodak; and the second trip, 21-22 November, will be to Westover and [ ]

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9. The Chairman, EXRAND, asked COMIREX to note that [ ] who has been Executive Secretary, COPE, and, later, EXRAND, has been reassigned within NPIC and will not serve in this capacity any longer. [ ] was introduced as [ ] replacement and [ ] expressed pleasure at having [ ] as his new Executive Secretary.

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Report from Data Base Working Group

10. [ ] reported that the Standard Imagery Target Definition (SITD) had been approved by the DBWG and will be

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disseminated next week to COMIREX for approval. (This document has been assigned COMIREX-D-31.3/10 and will be discussed at the COMIREX meeting on 31 October.)

11. A series of Ad Hoc DBWG meetings has been convened to consider proposed changes in the Nomination Form before the latter is considered formally by the entire Working Group. It is anticipated that required changes may be coordinated by 6 November.

12. General Taylor, Chairman of the Information Handling Committee of USIB, has requested a 6 November briefing for the IHC on the status of the imagery data base with emphasis on the file coordinator system. The four file coordinators--three from NPIC and one from CIA--have been requested to attend the IHC meeting.

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Section VI (Other Business)

Basic Support Exploitation Program

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1. [ ] indicated that the working paper on problems in reevaluating and changing the FY 1969 Basic Support Exploitation Program /distributed at the meeting/ was not an EXSUBCOM-coordinated paper, but rather a staff paper prepared by himself. The purpose of the memorandum was to apprise the Chairman, COMIREX, of EXSUBCOM's inability to secure information from the various NTP agencies relative to the future scheduling of basic reporting which is needed to carry out EXSUBCOM's responsibility to monitor and reevaluate Basic Requirements in terms of current needs, priorities, or potential reassignments. [ ] also noted that NPIC needs advance information on scheduling of reports in order to plan for carrying out its responsibility for providing publication support to the NTP organizations (except FTD).

2. Under the present situation, EXSUBCOM can only monitor what has been done but cannot do any reevaluation of the original tasking assignments in view of what the agencies are going to produce. Thus, a situation is created whereby duplication will be fostered since the producing agencies will not be aware of reporting that eventually will be available.

3. COMIREX agreed (DIA abstained) that the information requested by [ ] should be made available and that the matter could probably be handled informally by COMIREX principals passing the word that the requested information should be provided. The concept of a basic program monitor provided by NPIC and the EXSUBCOM staff was approved in principle.

4. [ ] indicated that the three statistical tabs as distributed with the working paper would be given general COMIREX document distribution as a first quarter status report on the FY 1969 Basic Support Exploitation program.

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Amount of Mono Obtained by Mission 1048-2

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5. [ ] reported that due to a malfunction of one camera on Mission 1048-2 a considerable amount of mono photography was obtained. In gross terms this amounted to 13 percent against the built-up area requirement and 4 1/2 percent against the underdeveloped area requirement. If net coverage is considered, however, the mono photography only amounts to 3.1 percent additional against the built-up area and 4.5 percent additional against the underdeveloped area. A greater impact will be felt as time passes and areas covered previously and now duplicated by the mono are dropped from accounting.

6. [ ] reported that EXSUBCOM has requested NPIC to identify portions of the mono coverage, if any, that could be used to detect or negate new targets. NPIC is to complete this effort by 31 October in order that the information may be used as guidance for Mission 1105. COMIREX recognized the importance of this study, particularly its impact on future reconnaissance requirements, even though it will only be concerned with 1048-2 and not with general requirements.

Intelligence Guidance Related to Overseas Intelligence Facilities (USIB-D-64.6/46)

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7. [ ], Acting Chairman, told members that [ ] wanted to call the above document to the attention of COMIREX as general guidance against the possibility that some action from COMIREX may be required at some future time.

COMIREX Visit to West Coast

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8. [ ] referred to a request by [ ] that the NRO establish a proposed agenda for an early December visit to the West Coast for orientation, updating, and briefings.

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requested members to nominate attendees so that clearances can be certified and travel arrangements made. It was felt that too large a group would defeat the purposes of the trip, so it should be kept to about fifteen persons.

Advanced Imagery Interpretation Orientation Course

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9. Colonel Davison indicated that Air Force would like to have the names for the course at Offutt beginning on 18 November. /The Office of the Chairman has forwarded the names to the Air Force./

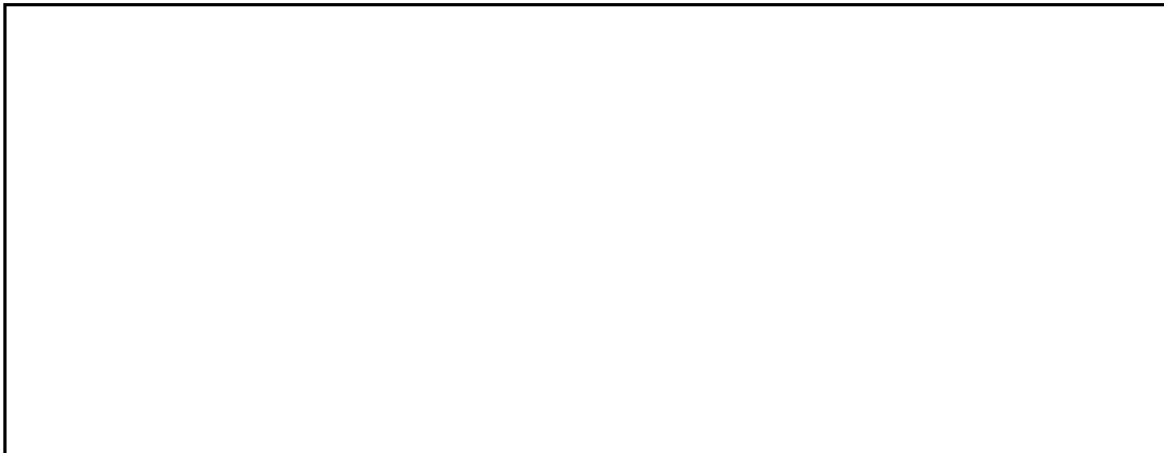
Summary of CCRP Status as of 1 October 1968

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10.  distributed copies of the summary of CCRP status as of 1 October 1968 (attached as Tab D). He commented that, although requirements on a number of categories were shown as underfulfilled, all requirements would have been met if 77 additional target looks had been acquired during the last quarter, 15 additional target looks had been acquired during the past six months, and 110 target looks had been acquired over the past year. In the future it is intended to produce this report showing the target looks deficient rather than showing categories measured in terms of percentage fulfilled.

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12. The orbit chosen for Mission KH-4B 1105 emphasizes complete access to all areas within the Sino-Soviet bloc with multiple accesses to photographic holidays and accesses to East Europe. The NRO developed an 82 degree, 9 1/2-day synchronous orbit as best meeting these requirements.

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[Redacted]

Acting Executive Secretary  
Committee on Imagery Requirements and Exploitation

Attachments  
Tabs A, B, C, & D

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| 7            | DIA TCO [Redacted] |
| 8, 9, 10, 11 | DIA TCO            |
| 12, 13       | OACSI TCO          |
| 14, 15       | ONI TCO            |
| 16, 17       | AFNIN TCO          |
| 18, 19       | NSA TCO            |
| 20, 21, 22   | NRO TCO            |

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